

Transmittal

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Date: April 5, 2013
To: Carmen D. Santos
RCRA Corrective Action Office
Waste Management Division
US EPA Region 9
75 Hawthorne Street, Mail Code
WST-4
San Francisco, CA 94105

From: Stephen E. Huang
AMEC
121 Innovation Drive, Suite 200
Irvine, CA 92617

Project Number: 0106270030 7A

Project Name: Former Pechiney Cast Plate Facility (3200 Fruitland Avenue)

| Item | Description |
|------|--|
| 1 | Revised Grading Plan dated August 15, 2012 |

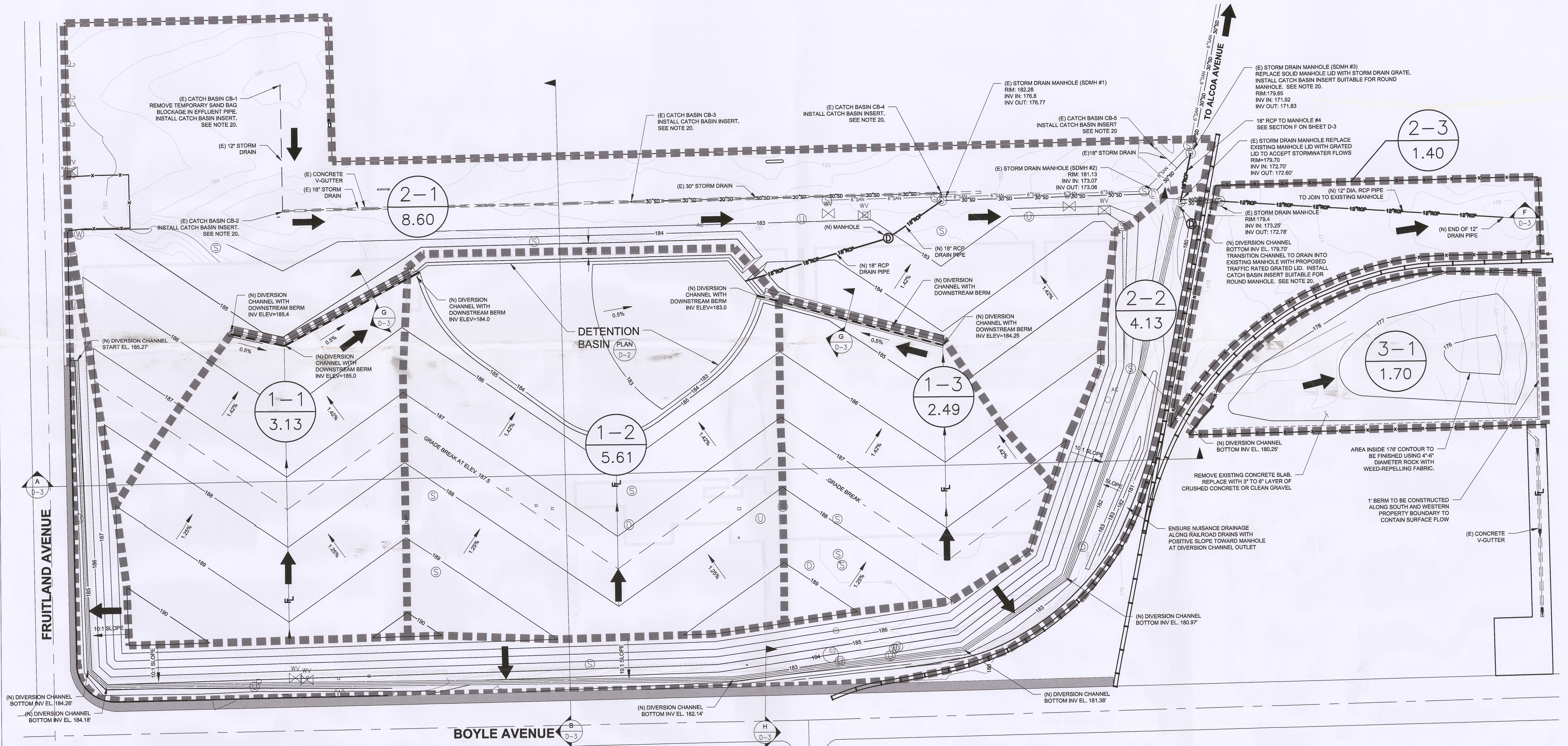
Remarks

Please find enclosed the latest version of the Grading Plan, dated August 15, 2012. If you have any questions, please call us at (949) 642-0245.

Sincerely yours,
AMEC

AMEC
Environment & Infrastructure
121 Innovation Drive, Suite 200
Irvine, CA
USA 92617-3094
Tel (949) 642-0245
Fax (949) 642-4474
www.amec.com

K:\10627\02\01\Technical\Grading\Iteration 9 Aug 2012\062012 Issue for Construction\D-1 GRADING PLAN.dwg
Aug 20, 2012, 12:51pm, Plotted By: danny.saylor

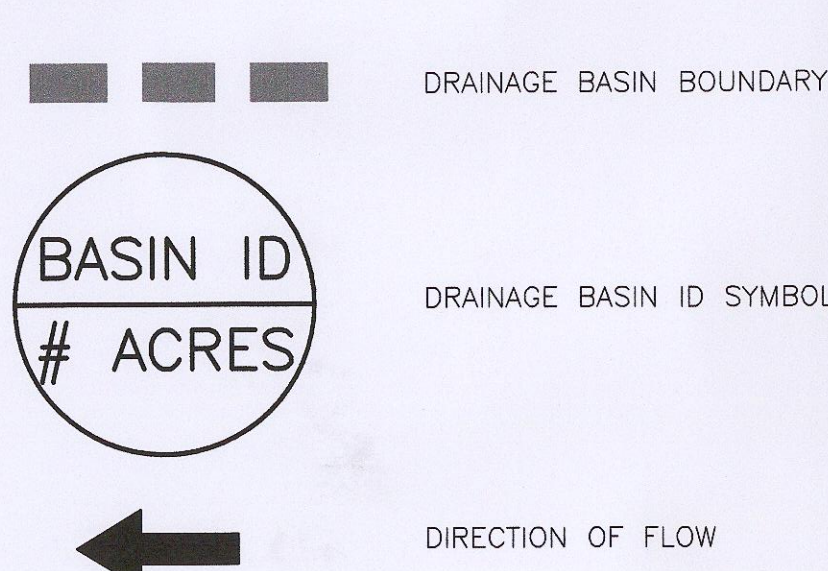


DRAINAGE SITE PLAN
SCALE: 1" = 50'

NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVOIDING ALL PUBLIC AND PRIVATE UTILITIES DURING BACKFILLING AND GRADING OF SOIL AND MATERIALS UNLESS OTHERWISE STATED IN THE PROJECT DOCUMENTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW GRADING PLAN AND SPECIFICATIONS THOROUGHLY PRIOR TO SITE MOBILIZATION. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CIVIL ENGINEER IF ON-SITE DISCREPANCIES ARE OBSERVED THAT WOULD AFFECT THE EARTHWORK QUANTITIES.
- THE EXISTING TOPOGRAPHY AS DELINEATED ON THIS DRAWING AND THE LIMITS OF WORK SHOWN ON THE DRAWING SHALL BE UTILIZED AS THE BASIS FOR ALL EARTHWORK COMPUTATIONS. EXCAVATION VOLUMES ARE BASED ON LIMITED SOIL INVESTIGATION SAMPLING. ACTUAL CONDITIONS MAY VARY FROM OBSERVED OR MEASURED CONDITIONS AT THE TIME OF PLAN PREPARATION. EXTENT OF SOIL EXCAVATION AND EXCAVATION VOLUMES ARE APPROXIMATE AND SHALL BE CONFIRMED BY SOIL SAMPLING AT TIME OF EXCAVATION AND SCAGMD RULE 1166 MONITORING. ACTUAL EARTHWORK QUANTITIES MAY VARY AS A RESULT.
- ALL SOIL SHALL BE MONITORED DURING BACKFILLING AND GRADING OPERATIONS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, STANDARDS, AND CODES INCLUDING SCAGMD RULE 1166, OSHA AND CALOSHA.
- CONTRACTOR SHALL RESTORE ALL EXCAVATED AREAS PURSUANT TO THE REQUIREMENTS OF SECTION 02351 AND AS SHOWN ON THE DRAWINGS.
- CONTRACTOR SHALL PREVENT SOIL, CONCRETE, DEBRIS, AND OTHER CONSTRUCTION MATERIALS FROM ENTERING STORM DRAINS AND SEWER SYSTEMS.
- CONTRACTOR SHALL PREVENT SITE SOIL AND DEBRIS FROM BEING TRACKED ONTO CITY-RIGHT-OF-WAYS. ANY TRACKED SOIL OR DEBRIS SHALL BE ADDRESSED PURSUANT TO THE REQUIREMENTS OF SECTION 02120.
- FINAL GRADES SHALL CONTROL AND CONVEY RAINFALL RUNOFF TO EXISTING POINTS OF STORMWATER COLLECTION AS SHOWN ON THE DRAWING. RAINFALL RUNOFF SHALL NOT FLOW OFF-SITE IN AN UNCONTROLLED MANNER.
- CONTRACTOR SHALL PREPARE AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES (BMP) HANDBOOK (JANUARY, 2003) AND THE REQUIREMENTS OF SECTION 01502.
- CONTRACTOR SHALL PLACE A MINIMUM THICKNESS OF 3 TO 6 INCHES OF CRUSHED RECYCLED AGGREGATE MATERIALS GENERATED FROM ON-SITE CRUSHING OF UNRESTRICTED USE CONCRETE AS UPPERMOST LAYER IN ALL BACKFILL AND GRADING AREAS TO REDUCE POTENTIAL SOIL EROSION.
- BACKFILL MATERIALS, PLACEMENT, AND COMPACTION SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02351.
- INSPECTION OF EARTHWORK AND SOILS TESTING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02351.
- CONTRACTOR SHALL STOCKPILE AND SEGREGATE CONCRETE AND ASPHALT DEBRIS IN SEPARATE PILES. CRUSHED RECYCLED AGGREGATES COMPRISED OF CONCRETE WITH PCB CONCENTRATIONS LESS THAN 1 mg/kg MAY BE USED AS UNRESTRICTED USE FILL AT ANY DEPTH. ASPHALT DEBRIS CANNOT BE USED AS FILL AND MUST BE RECYCLED OR DISPOSED OFF-SITE.
- CONCRETE CAP SHOWN IN DETAIL 1 (SHEET D-3) SHALL BE PLACED OVER REMAINING PORTIONS OF SUBSURFACE STRUCTURES THAT EXTEND DEEPER THAN 10 FEET BELOW GRADE, AS SPECIFIED IN SECTION 02030 AND SHOWN IN THE DRAWINGS, AND AS IDENTIFIED DURING THE PERFORMANCE OF DEMOLITION WORK.
- SITE TOPOGRAPHY AS DELINEATED BASED ON SURVEY BY DULIN AND BOYNTON SURVEYORS, INC. DATED OCTOBER 12, 2011. BENCHMARK INFORMATION IS AS FOLLOWS: VERTICAL DATUM NAVD83, COUNTY OF LOS ANGELES BM #Y10598, 2" DISC IN WALK 4.6' N/O CP, 14.8' W/O BCR AT NE COR SLAUSON AVE AND BOYLE AVE (TO THE N) MKD (CITY OF VERNON MON), 2005 ELEV= 168.61 FEET NAVD83, HORIZONTAL DATUM NAD83, ZONE 8, NGS PID STATIONS AJ1840 AND AJ1885 EPOCH DATE 2000.35.
- FORMER BUILDING 114 CONCRETE STRUCTURES ABANDONED IN PLACE BY ALCOA. ELEVATIONS TO TOP OF STRUCTURES ARE APPROXIMATE. STRUCTURES CAPPED WITH 8 TO 10 INCHES OF CONCRETE. DETAILS AVAILABLE IN 'ALUMINUM COMPANY OF AMERICA (ALCOA) DIVESTITURE OF THE ALCOA CAST PLATE FACILITY, PARCELS 6, 7, AND 8, VERNON, CALIFORNIA, ENVIRONMENTAL ACTIVITIES VOLUME 2 OF 2, A.J. URSIC, JR., JULY 28, 1999'.
- FORMER BUILDING 12 CONCRETE STRUCTURE ABANDONED IN PLACE BY ALCOA. ELEVATION TO TOP OF CONCRETE GRADE PAD STRUCTURE IS APPROXIMATE. DETAILS AVAILABLE IN 'ALUMINUM COMPANY OF AMERICA FORGE DEMOLITION/REMEDIATION, VERNON FACILITY, VERNON, CALIFORNIA, FINAL CLOSURE OF FORGE FACILITY ZONES 1-4, A. J. URSIC, JR., JANUARY 29, 1999'.
- DURING ROUGH GRADING, CONTRACTOR SHALL INSTITUTE GRADE CONTROLS TO AVOID MIXING SOILS CONTAINING PCBs AT CONCENTRATIONS GREATER THAN 3.5 mg/kg WITH SHALLOW SOIL OR BACKFILL MATERIALS PRESENT AT DEPTHS SHALLower THAN 6 FEET BGS.
- FUTURE REDEVELOPMENT GRADING SHALL COMPLY WITH POST-REMEDIATION SOIL REMOVAL PLAN, TO BE PREPARED AFTER COMPLETION OF THE SOIL REMOVAL WORK, AS DESCRIBED IN THE REMEDIAL ACTION PLAN.
- ALL ON-SITE CATCH BASINS WILL BE INSTALLED WITH NEW INSERTS APPROVED BY THE CITY OF VERNON TO PREVENT FROM SEDIMENT. CATCH BASIN INSERTS SHALL BE 2' X 2' (OR APPROPRIATE SIZE) DROP INLET STYLE WITH CENTER OVERFLOW, MANUFACTURED BY DRAINPAC, DISTRIBUTED BY UNITED STORMWATER (877) 711-8676. CONTRACTOR SHALL VERIFY DIMENSION OF EACH INDIVIDUAL CATCH BASIN AND INSTALL CORRESPONDING INSERT TO FIT CATCH BASIN DIMENSIONS.

EXPLANATION



BENCHMARK:
VERTICAL DATUM NAVD83
COUNTY OF LOS ANGELES BM #Y10598,
2" DISC IN WALK 4.6' N/O CP,
14.8' W/O BCR AT NE COR SLAUSON AVE AND BOYLE AVE (TO THE N) MKD (CITY OF VERNON MON)
2005 ELEV= 168.61 FEET NAVD83
HORIZONTAL DATUM NAD83, ZONE 5
NGS PID STATIONS AJ1840 AND AJ1885 EPOCH DATE 2000.35

CAUTION: THIS PLAN MAY BE REDUCED

| REFERENCES: | NO. | REVISION | DATE | APPROVED |
|-------------|-----|--|---------|----------|
| PLANS | 1 | ISSUED FOR PERMITTING | 6/6/12 | |
| | 2 | REVISED 6/18/12 CITY COMMENTS | 7/9/12 | |
| | 3 | REVISED 7/19/12 CITY COMMENTS | 7/26/12 | |
| | 4 | REVISED 8/9/12 CITY COMMENTS | 8/15/12 | |
| | 5 | REVISED 8/16/12 - FINAL - ISSUE FOR CONSTRUCTION | 8/20/12 | |
| DATUM | | | | |

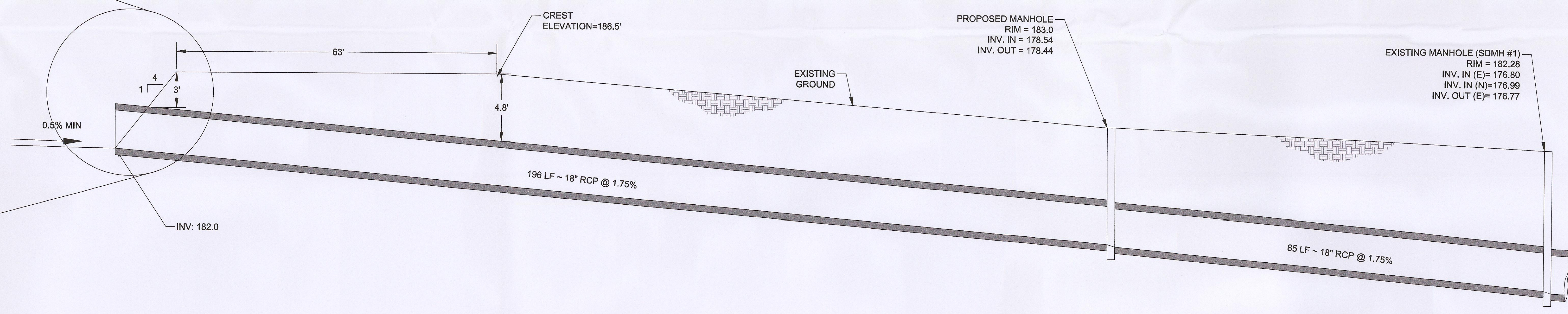
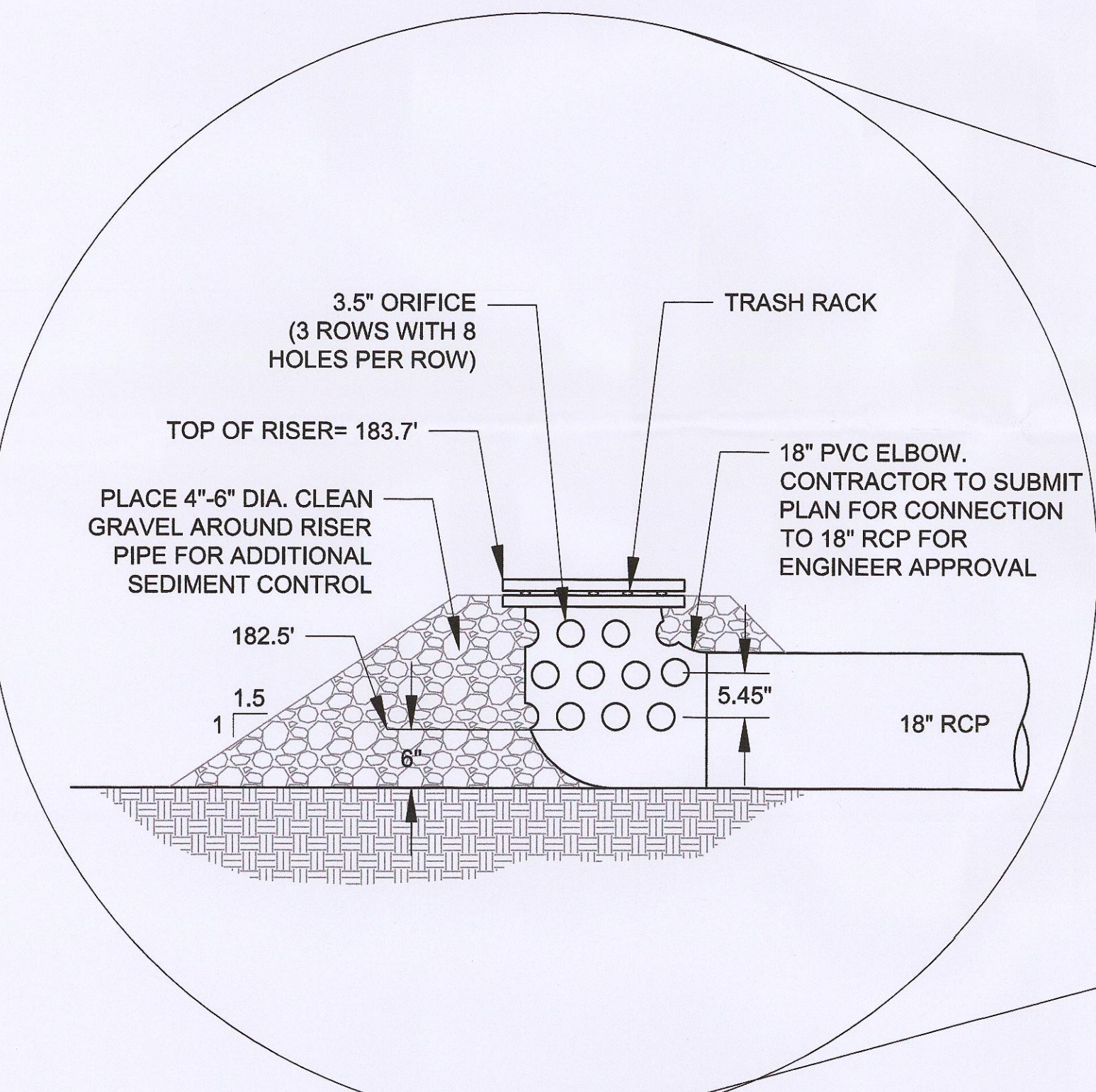
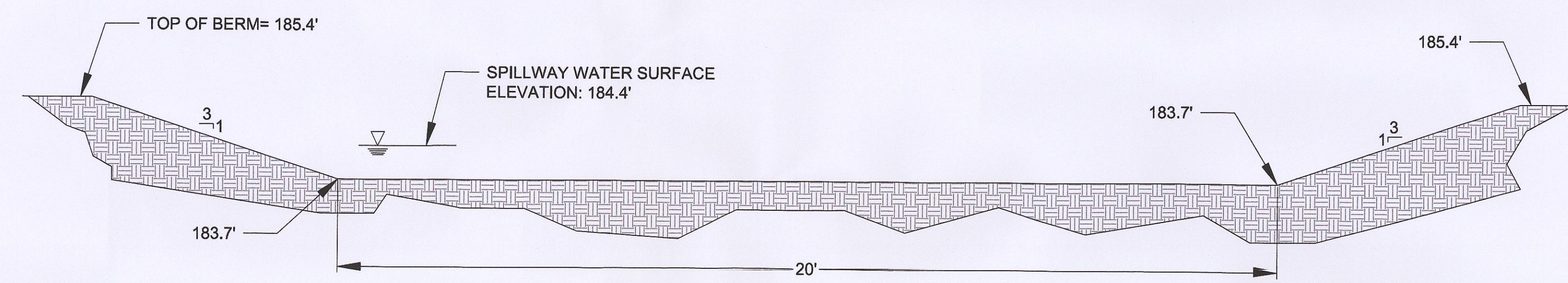
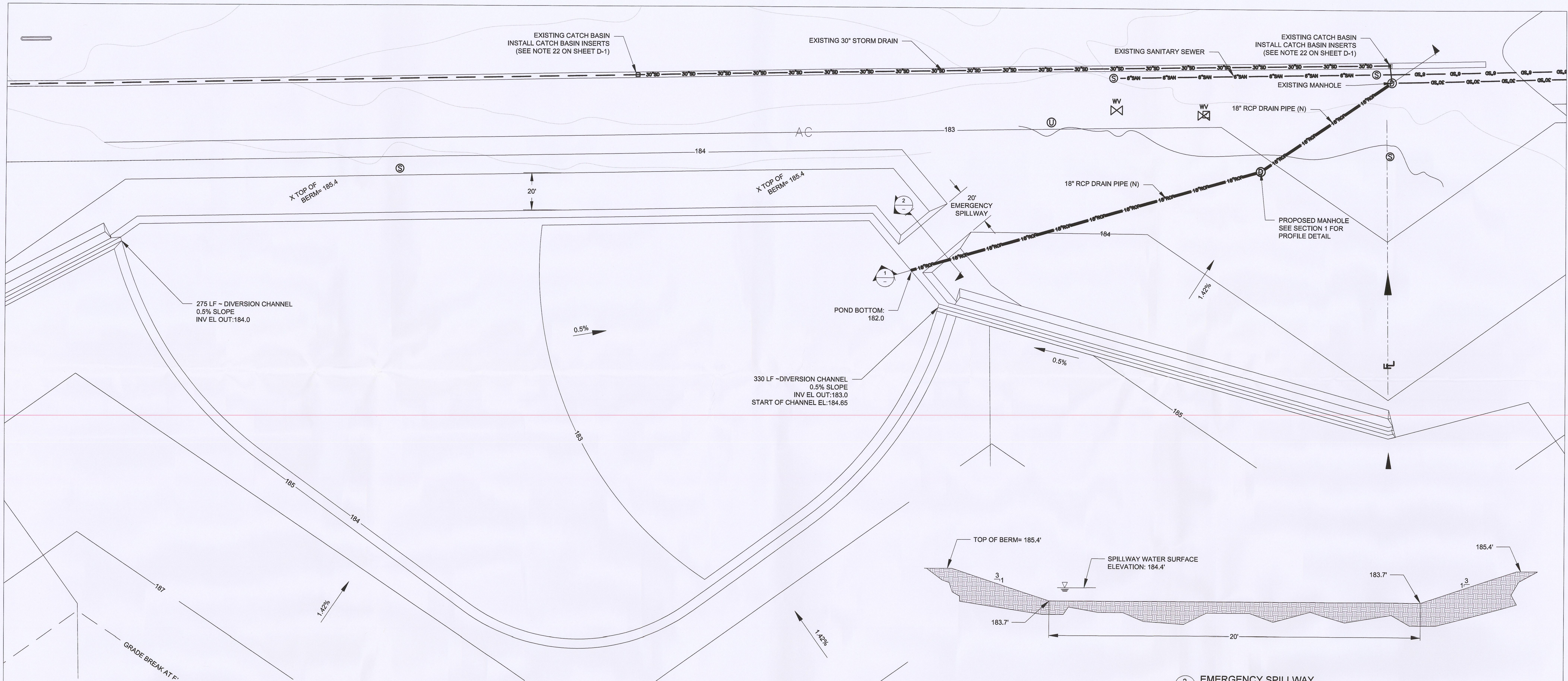
| | |
|----------|-----|
| DRAWN | JBR |
| DESIGNED | KNJ |
| CHECKED | DLS |
| REVIEWED | CHH |

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AMEC
121 Innovation Drive, Suite 200
Irvine, California
(949) 642-0245

BELOW GRADE DEMOLITION & SOIL EXCAVATION
PECHINEY CAST PLATE, INC., FACILITY
3200 FRUITLAND, VERNON, CALIFORNIA

GRADING PLAN

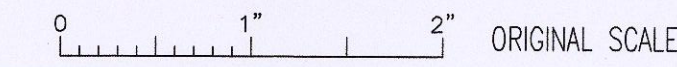
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|----------------------|
| DATE: 08/15/12 |
| SCALE: 1"=50' |
| SHEET: 1 OF 3 SHEETS |
| PROJ. NO: 10627.003 |
| D-1 |



EXPLANATION

| | | | |
|--|-------------|--|--------------------|
| | WELL | | DIRECTION OF FLOW |
| | GUARD POST | | MANHOLE DRAINAGE |
| | FIREHYDRANT | | MANHOLE SEWER |
| | WATER VALVE | | MANHOLE UNKNOWN |
| | WATER METER | | MANHOLE WATER |
| | POWER POLE | | MANHOLE ELECTRICAL |

CAUTION: THIS PLAN MAY BE REDUCED



| NO. | REVISION | DATE | APRVD |
|-----|--|---------|-------|
| 1 | ISSUED FOR PERMITTING | 6/6/12 | |
| 2 | REVISED 6/18/12 CITY COMMENTS | 7/9/12 | |
| 3 | REVISED 7/19/12 CITY COMMENTS | 7/26/12 | |
| 4 | REVISED 8/9/12 CITY COMMENTS | 8/15/12 | |
| 5 | REVISED 8/16/12 - FINAL - ISSUE FOR CONSTRUCTION | 8/20/12 | |

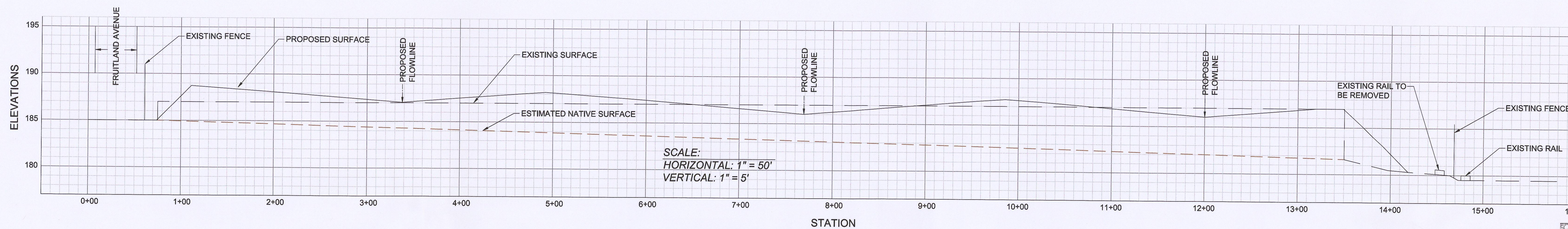
| | |
|----------|-----|
| DRAWN | JBR |
| DESIGNED | KNJ |
| CHECKED | DLS |
| REVIEWED | CHH |

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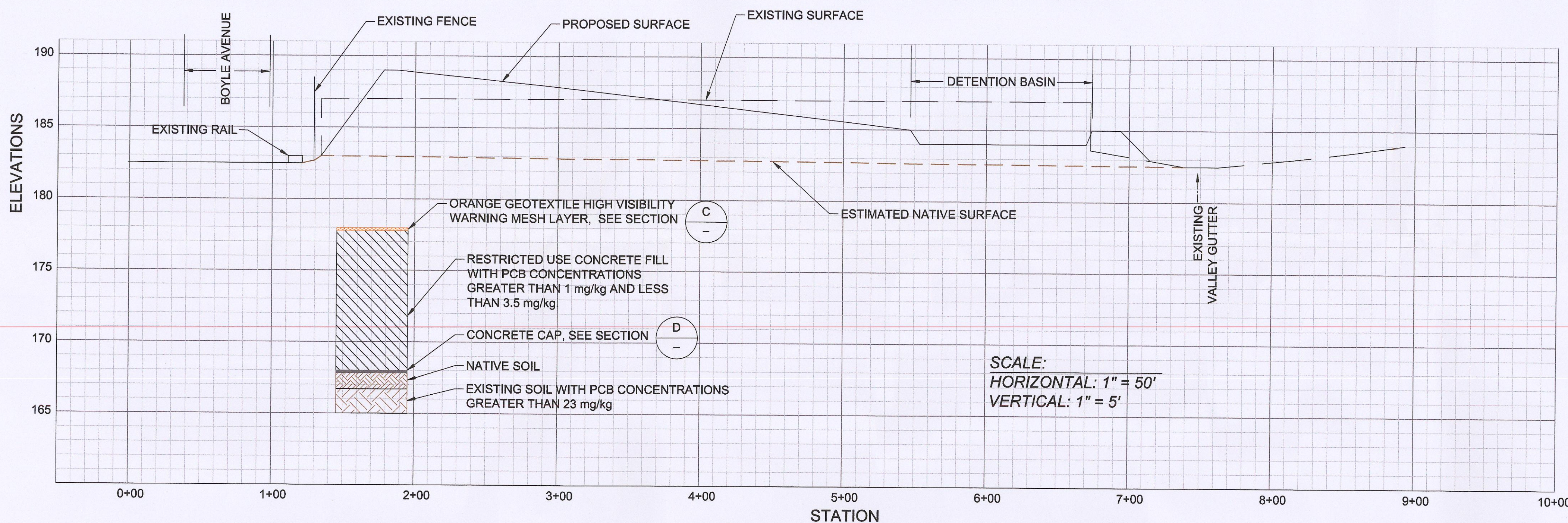
BELOW GRADE DEMOLITION & SOIL EXCAVATION
PECHINEY CAST PLATE, INC., FACILITY
3200 FRUITLAND, VERNON, CALIFORNIA

DETENTION POND PLAN

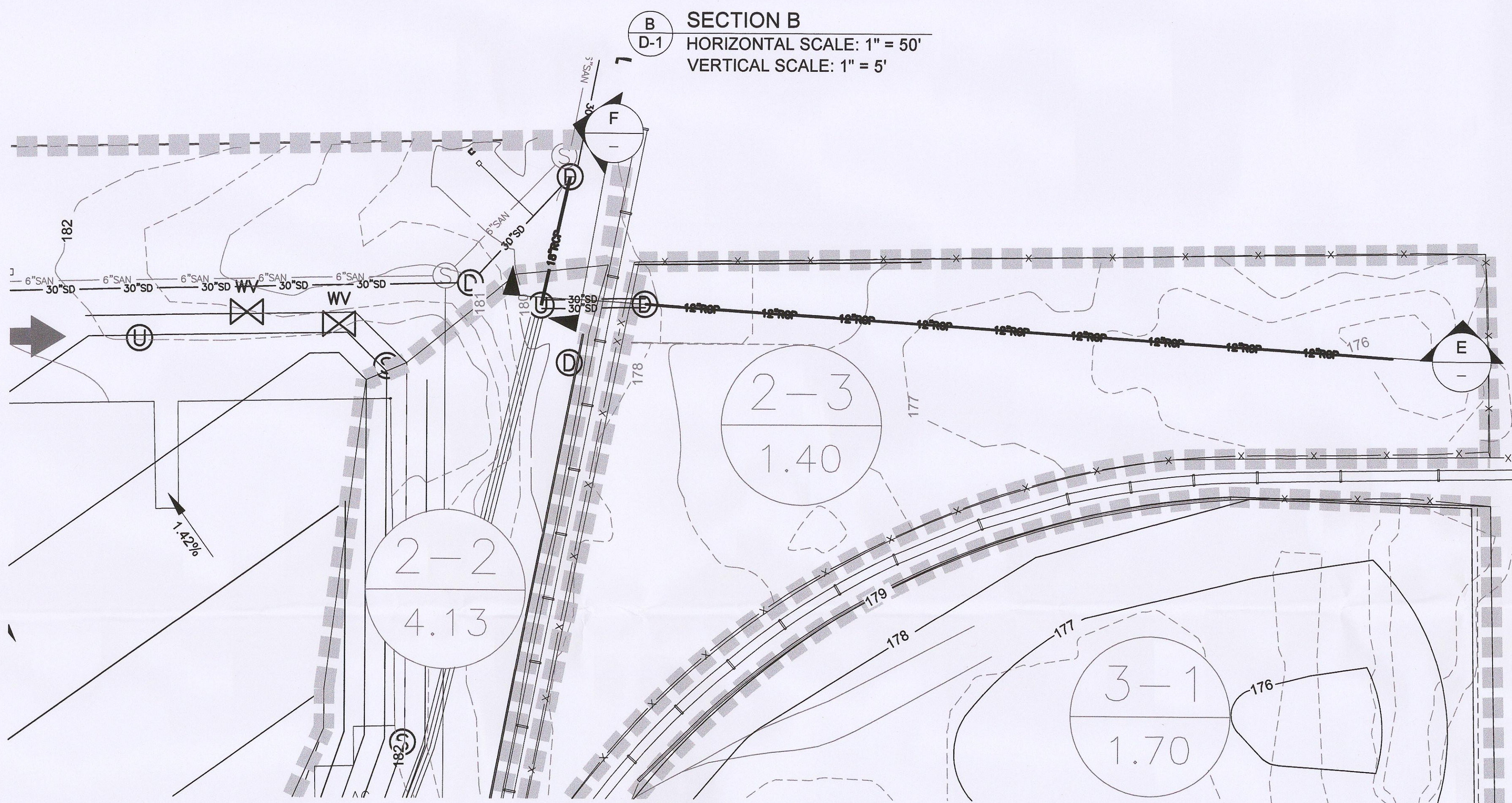
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|----------------------|
| DATE: 08/15/12 |
| SCALE: AS SHOWN |
| SHEET: 2 OF 3 SHEETS |
| PROJ. NO: 10627.003 |
| D-2 |



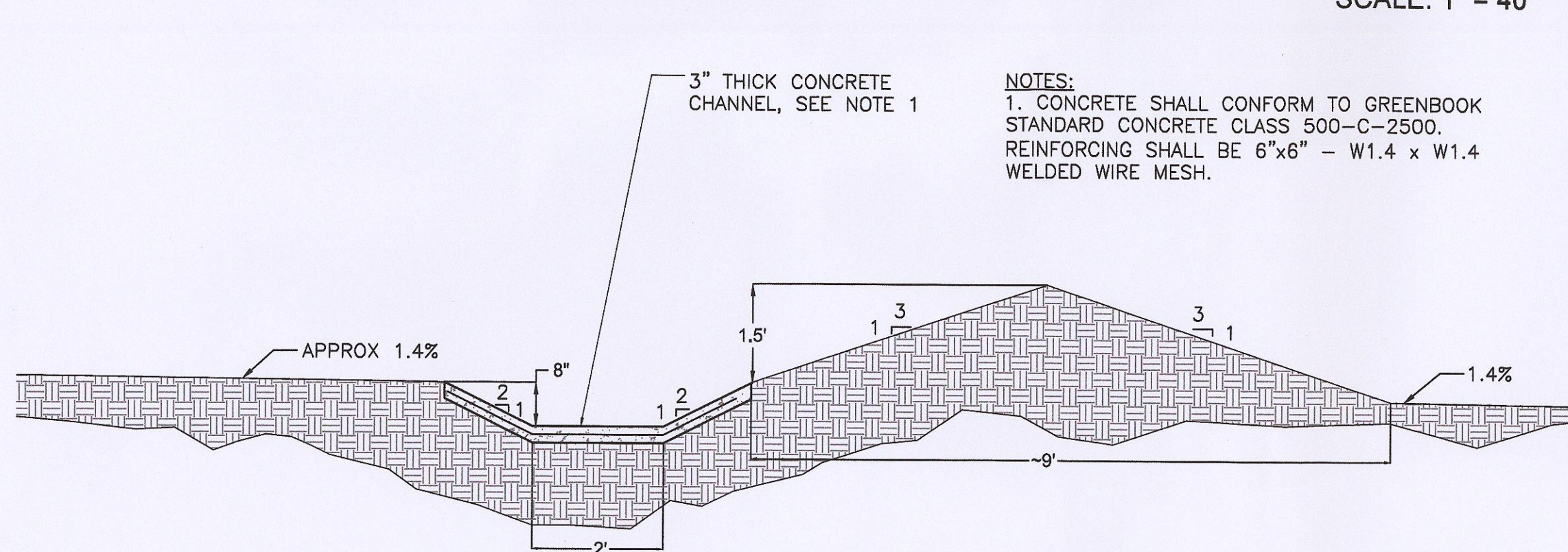
SECTION A
D-1 HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'



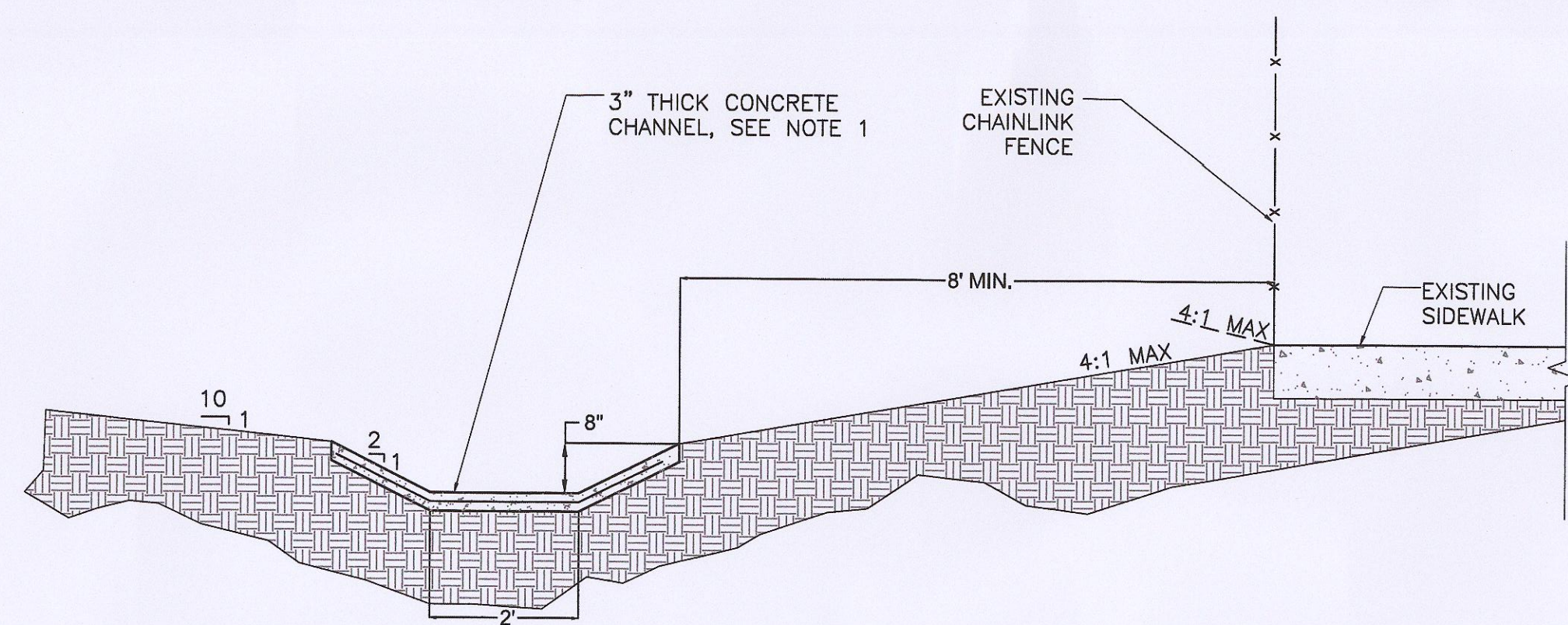
SECTION B
D-1 HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'



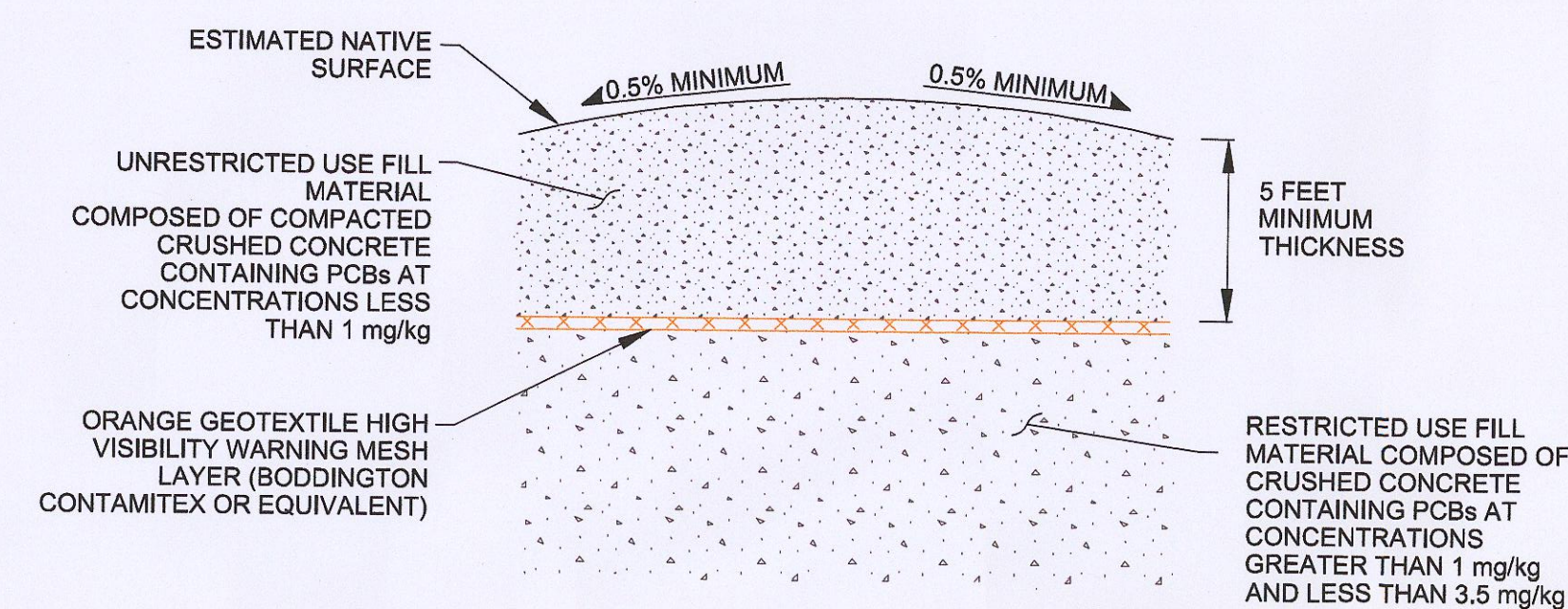
MANHOLE CONNECTION DETAIL
SCALE: 1" = 40'



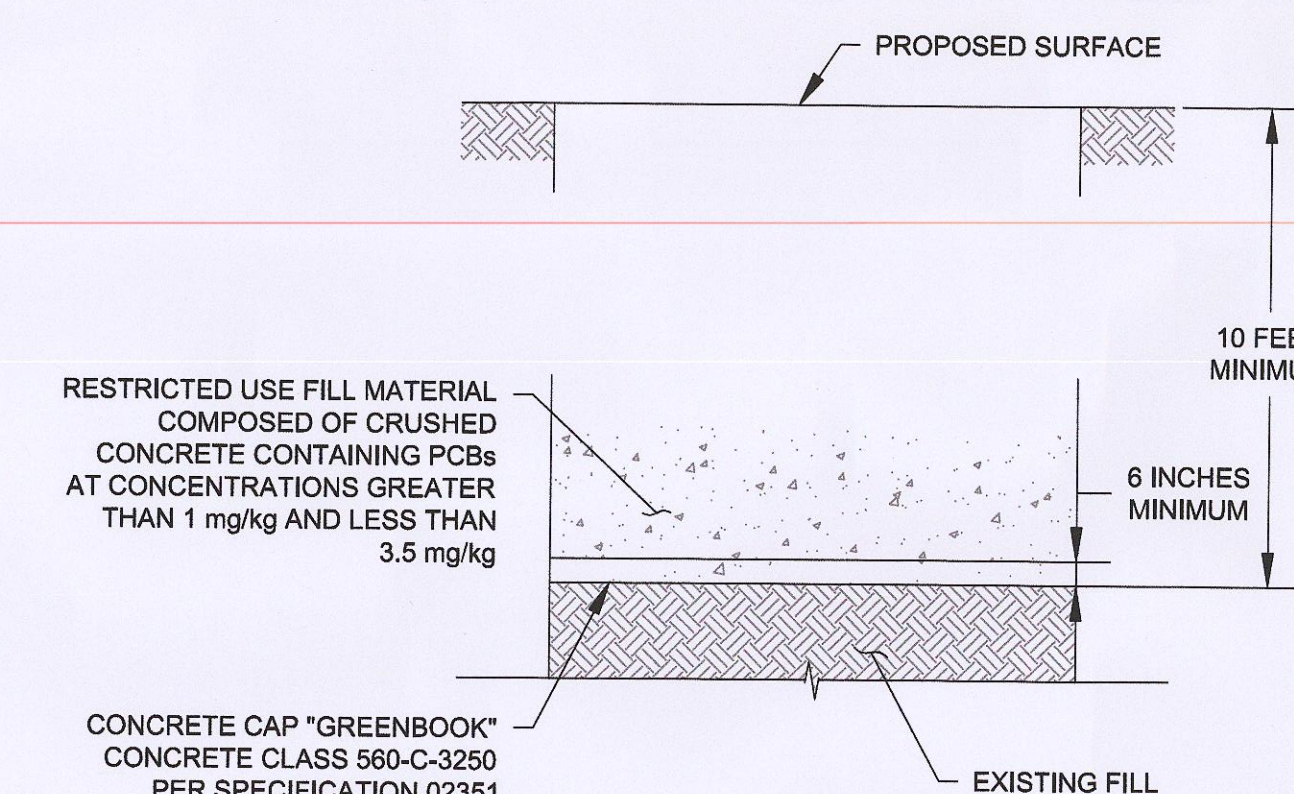
DIVERSION CHANNEL SECTION
D-1 SCALE: 1" = 2'



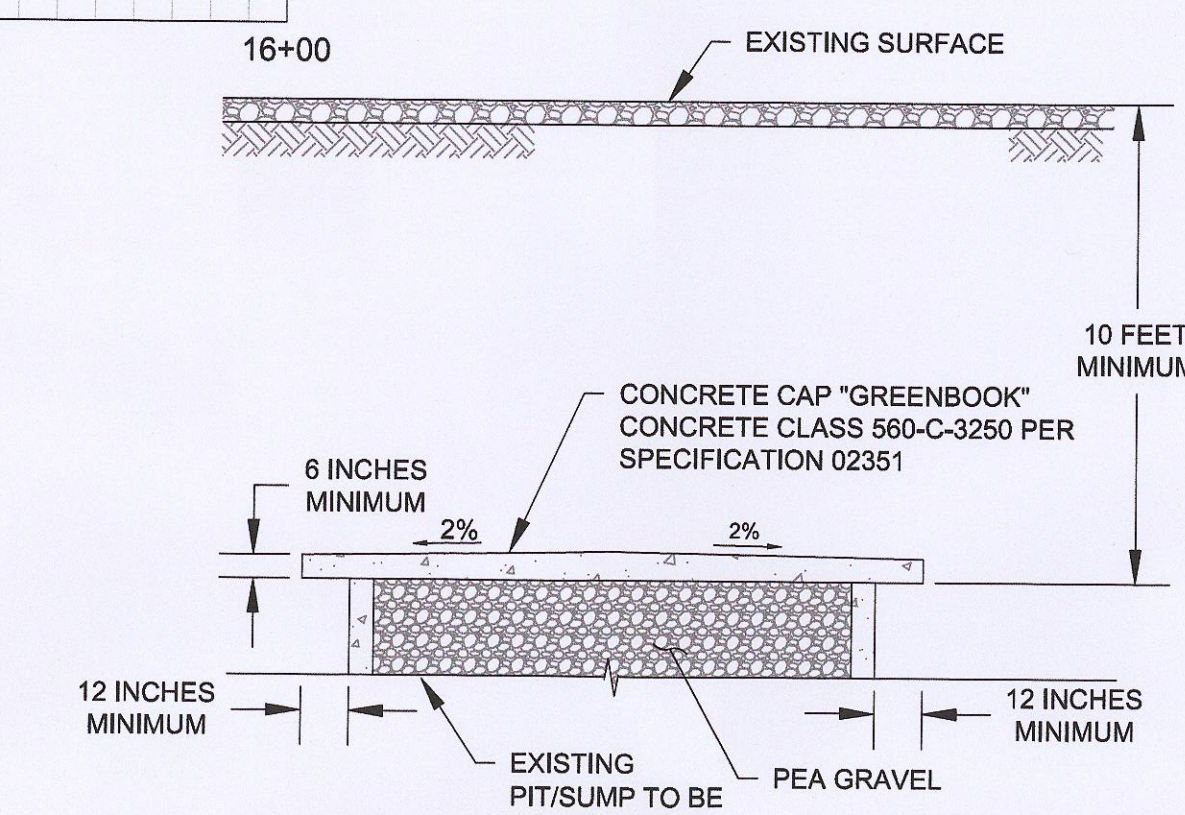
PERIMETER SWALE SECTION
D-1 SCALE: 1" = 2'



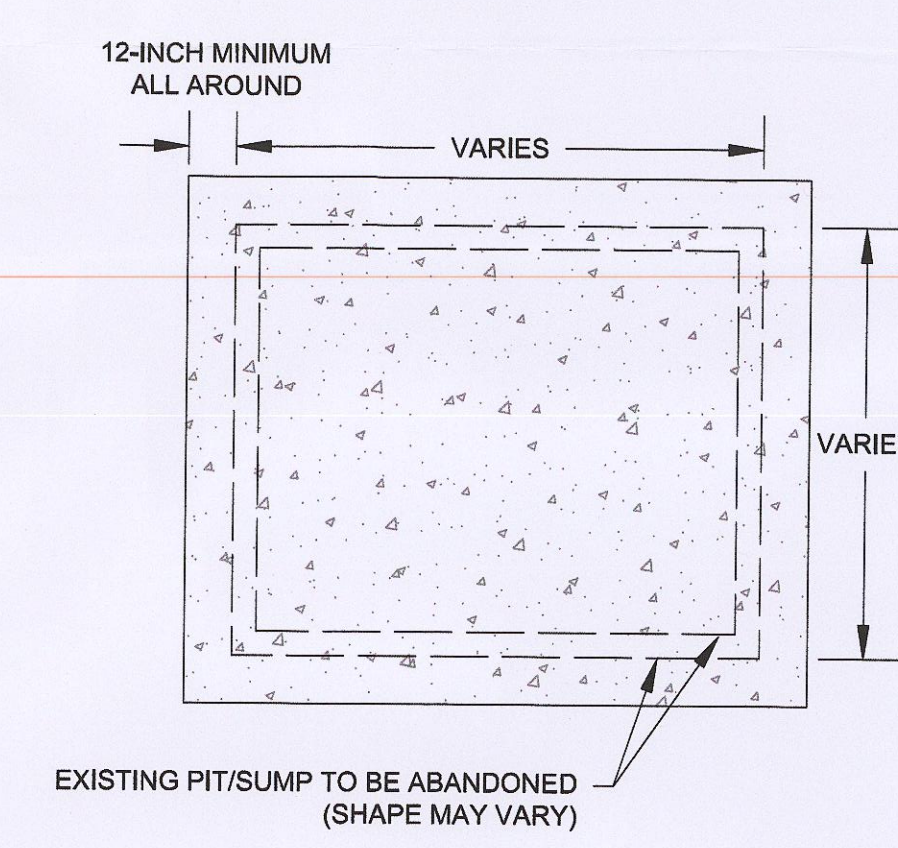
TYPICAL CAP SECTION
NOT TO SCALE



TYPICAL CONCRETE CAP SECTION OVER EXISTING SOIL WITH PCB
D CONCENTRATIONS GREATER THAN 23 mg/kg AT SOIL EXCAVATION AREAS 4a AND 4b
NOT TO SCALE

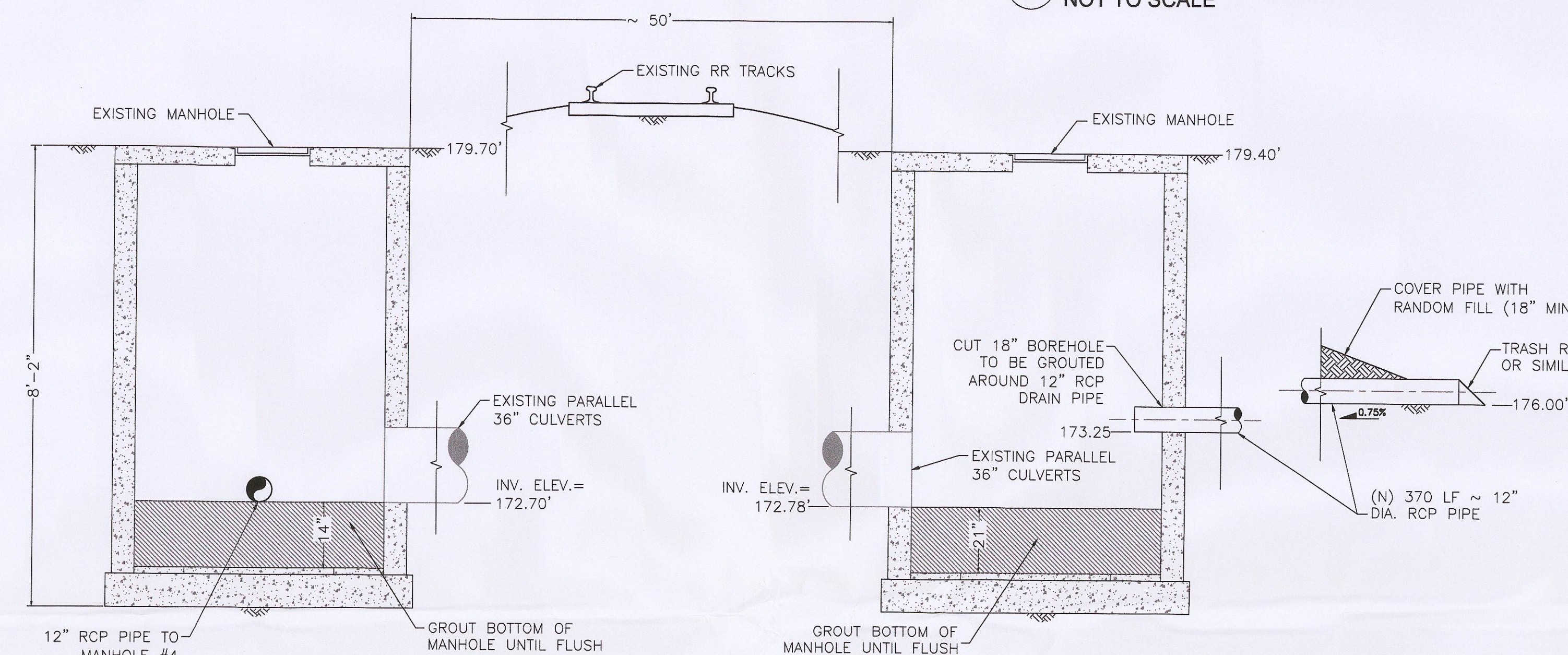


TYPICAL CONCRETE CAP SECTION

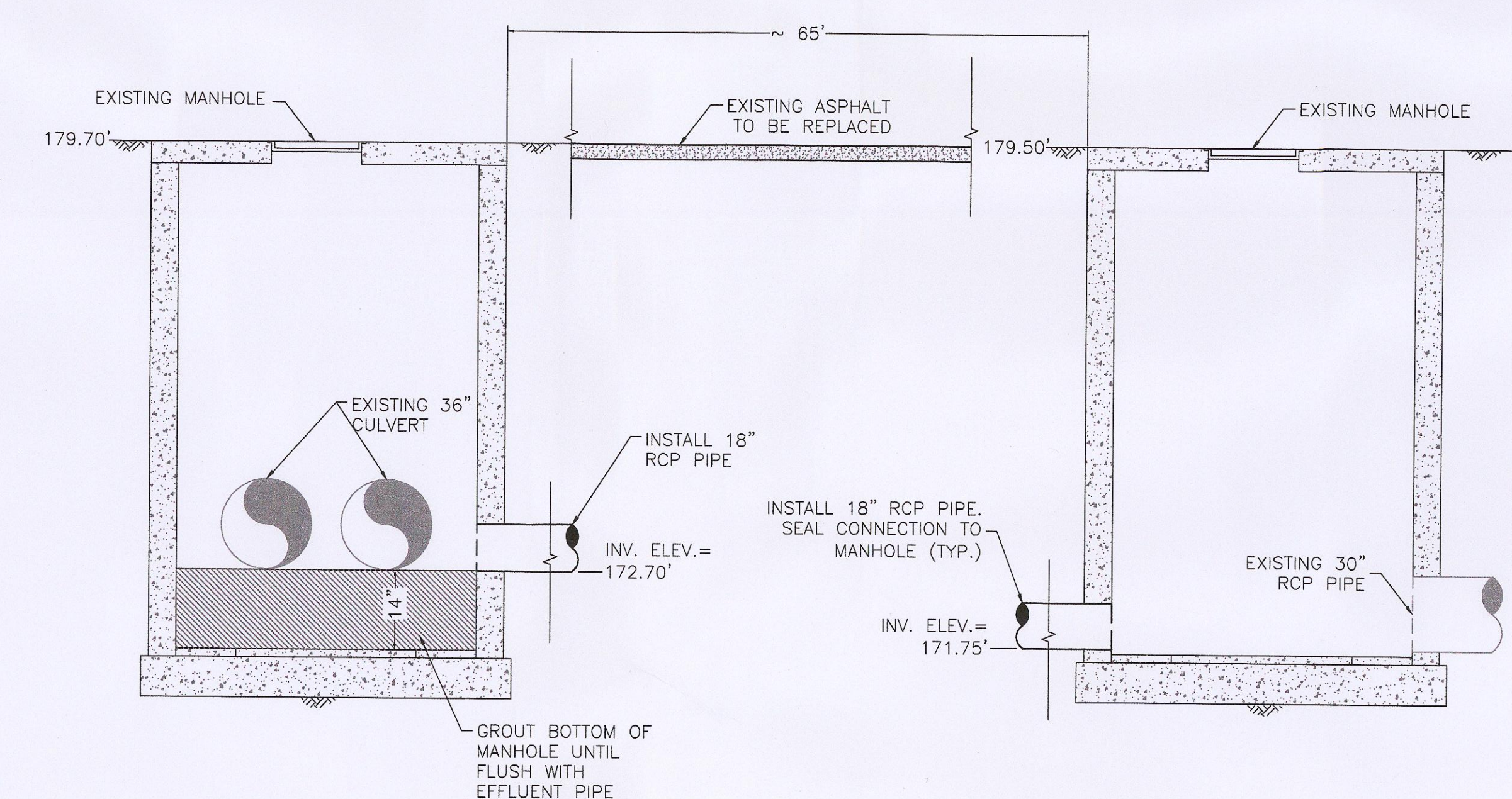


TYPICAL CONCRETE CAP PLAN

TYPICAL CONCRETE CAP OVER FORMER BURIED STRUCTURES DETAIL
1 NOT TO SCALE



SECTION E
SCALE: NTS



SECTION F
SCALE: NTS

CAUTION: THIS PLAN MAY BE REDUCED

0 1 2 ORIGINAL SCALE

| REFERENCES: | NO. | REVISION | DATE | APRVD | DRAWN |
|-------------|-----|--|---------|-------|--------------|
| PLANS | 1 | ISSUED FOR PERMITTING | 6/6/12 | | JBR |
| | 2 | REVISED 6/18/12 CITY COMMENTS | 7/9/12 | | DESIGNED KNU |
| | 3 | REVISED 7/19/12 CITY COMMENTS | 7/26/12 | | CHECKED DLS |
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PECHINEY CAST PLATE, INC., FACILITY
3200 FRUITLAND, VERNON, CALIFORNIA

CROSS SECTIONS AND DETAILS

DATE: 08/15/12
SCALE: AS SHOWN
SHEET: 3 OF 3 SHEETS
PROJ. NO: 10627.003
D-3